

HistoricBridges.org - National Bridge Inventory Data Sheet

2019 Inventory

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.

Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information

Missouri [29]	Cape Girardeau County [031]	Cape Girardeau [11260]	S 24 T 30 N R 13 E		37-15-35.70 = 3	089-33-53.55 = -8
5040	Highway agency district: 7	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 0		KINGSHIGHWAY S	Toll	On free road [3]	Features intersected	LITTLE RAMSEY CR
Design - main	Steel [3]	Design - approach	Concrete [1]	Kilometerpoint	1211.5 km = 751.1 mi	
1	Truss - Thru [10]	2	Tee beam [04]	Year built	1928	Year reconstructed N/A [0000]
				Skew angle	0	Structure Flared
				Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length	53.9 m = 176.8 ft	Length of maximum span	24.5 m = 80.4 ft	Deck width, out-to-out	6.4 m = 21.0 ft	Bridge roadway width, curb-to-curb 6.1 m = 20.0 ft
Inventory Route, Total Horizontal Clearance	6.1 m = 20.0 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft	
Deck structure type	Concrete Cast-in-Place [1]					
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]					
Deck protection						
Type of membrane/wearing surface						

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	12.6 metric ton = 13.9 tons
0.3 km = 0.2 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	22.5 metric ton = 24.8 tons
	Bridge posting	20.0 - 29.9 % below [2]	Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	349	Average daily truck traffi	5	%	Year	2018	Future average daily traffic	540	Year	2038
Road classification	Local (Urban) [19]		Lanes on structure	2		Approach roadway width	5.5 m = 18.0 ft			
Type of service on bridge	Highway [1]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Waterway [5]		Lanes under structure	0		Navigation control				
Navigation vertical clearanc	0 = N/A		Navigation horizontal clearance	0 = N/A						
Minimum navigation vertical clearance, vertical lift bridge						Minimum vertical clearance over bridge roadway	99.99 m = 328.1 ft			
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	0 = N/A					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	0 = N/A		Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]						
Appraisal ratings - underclearances	N/A [N]									

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost

Roadway improvement cost

Length of structure improvement

0 m = 0.0 ft

Total project cost

Year of improvement cost estimate

Border bridge - state

Border bridge - percent responsibility of other state

Border bridge - structure number

Inspection and Sufficiency

Structure status	<input type="text" value="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Satisfactory [6]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>		
Channel and channel protection	<input type="text" value="Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Better than present minimum criteria [7]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="44.2"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="October 2017 [1017]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="October 2017 [1017]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>